

Figure 1

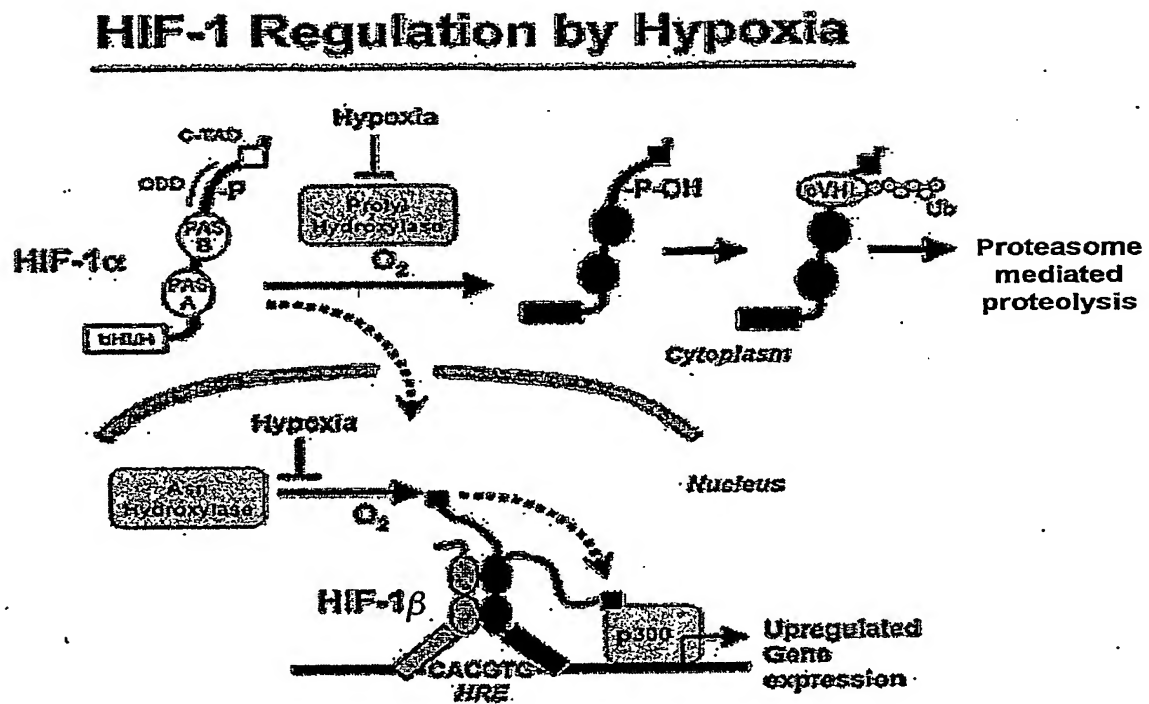


Figure 2

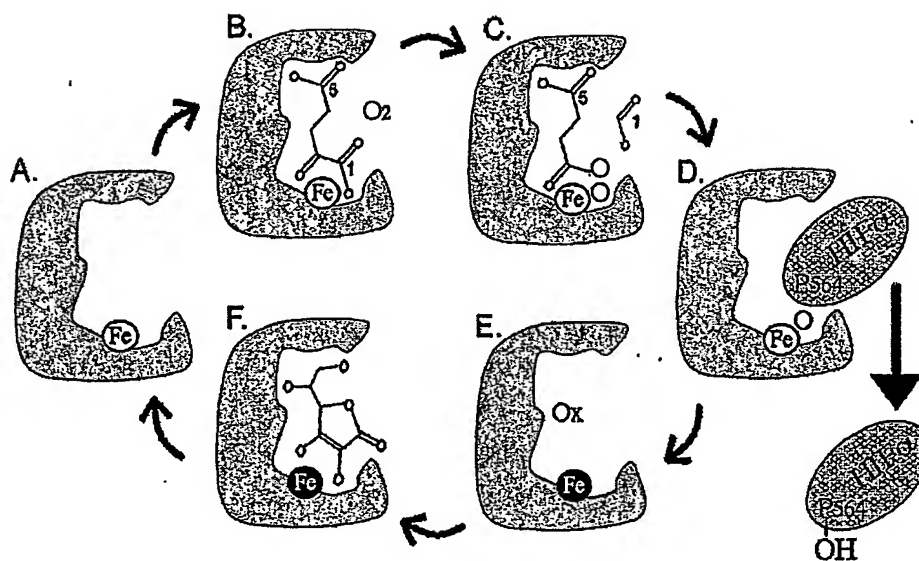
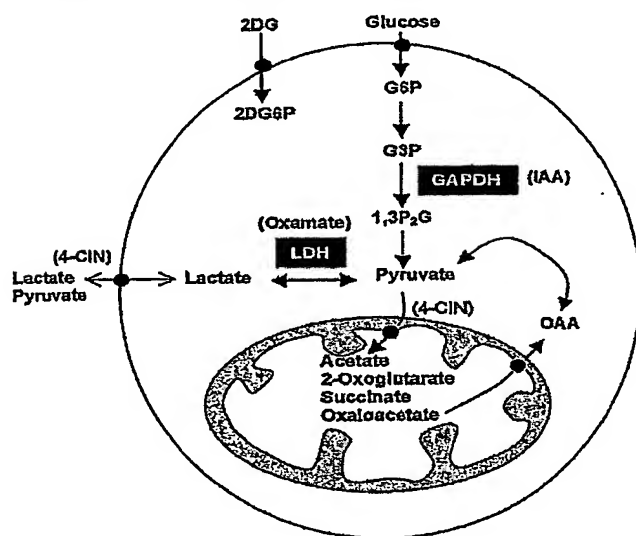


Figure 3

A. Abbreviated diagram of oxygen-independent glucose metabolism and relevant inhibitors.



B. Structural comparisons of key glucose metabolites.

	2-OG	Succ	OAA	Pyr
1	COOH	COOH	COOH	COOH
2	C=O	CH ₂	C=O	C=O
3	CH ₂	CH ₂	CH ₂	CH ₃
4	CH ₂	COOH	COOH	
5	COOH			

Figure 4

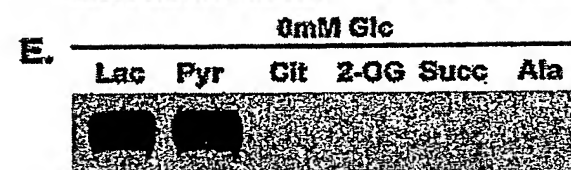
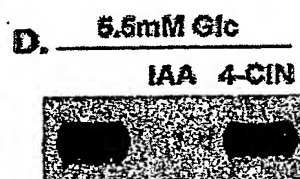
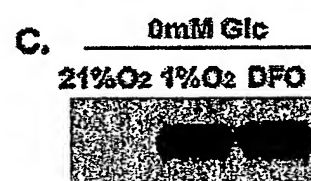
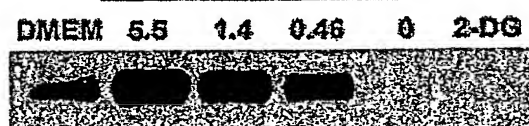
A. Time after changing medium with krebs (h)**B. [Glucose] in Krebs (mM)**

Figure 5

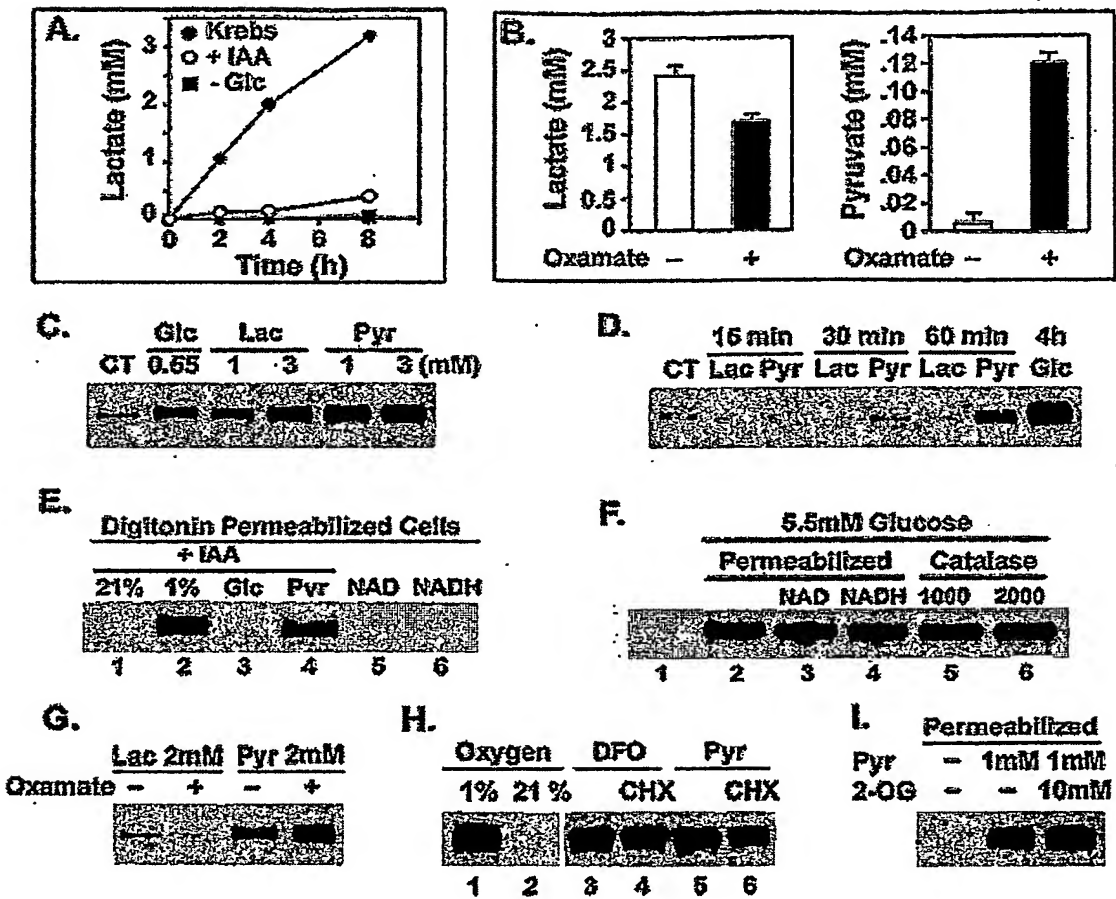


Figure 6

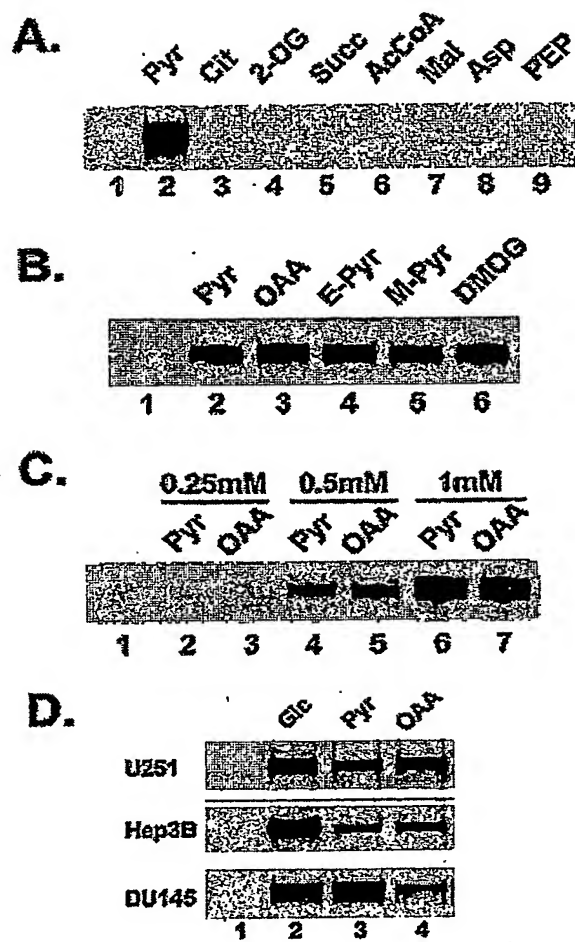


Figure 7

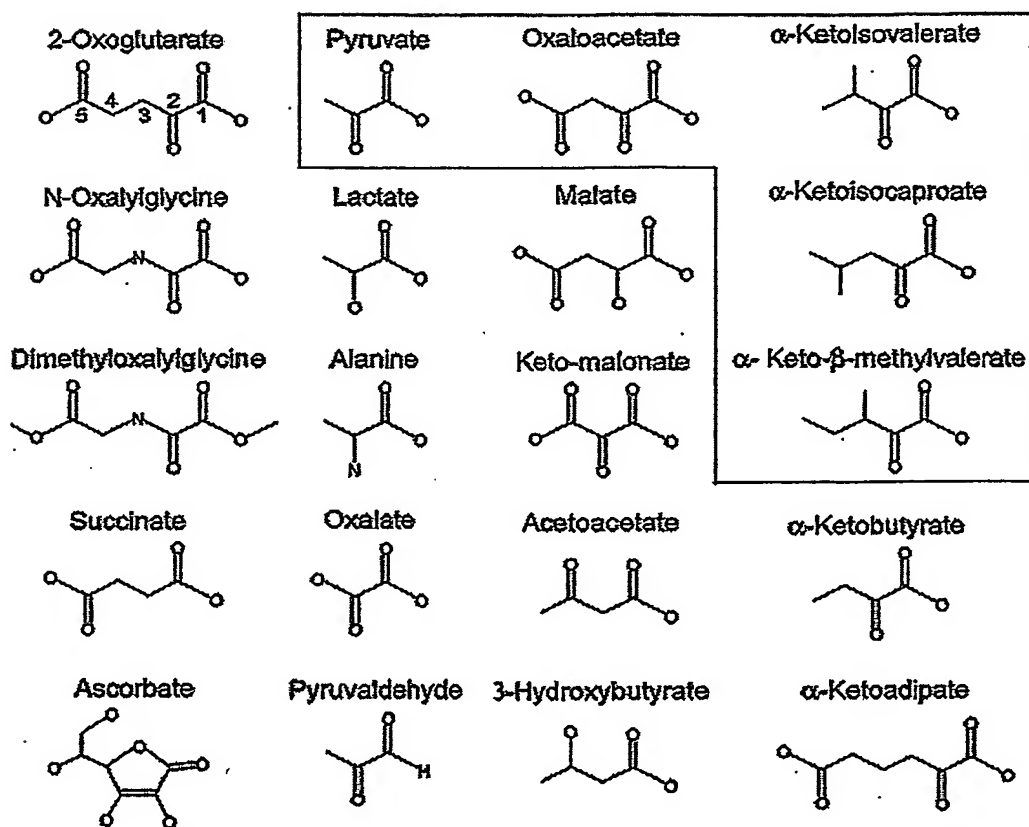
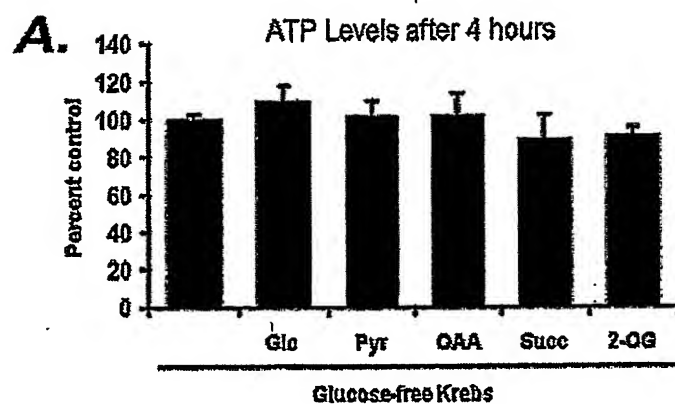


Figure 8



B. Digitonin permeabilized cells

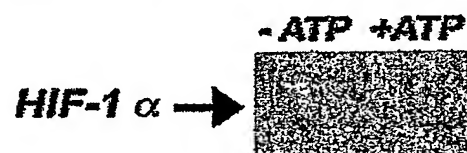


Figure 9

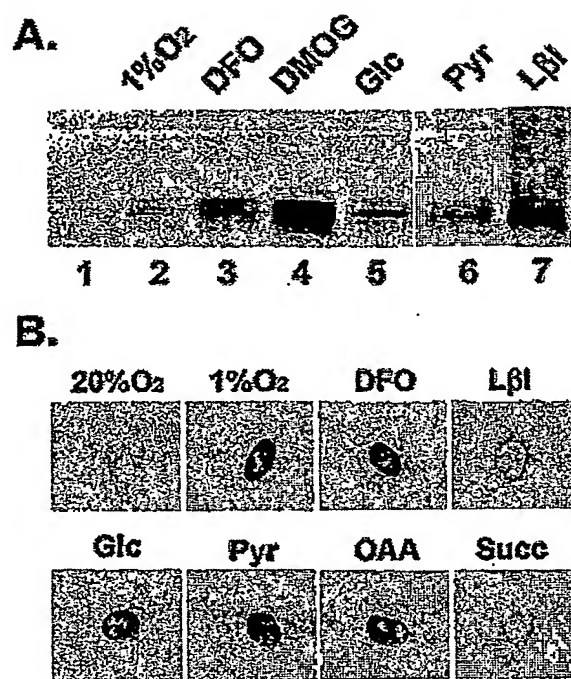


Figure 10

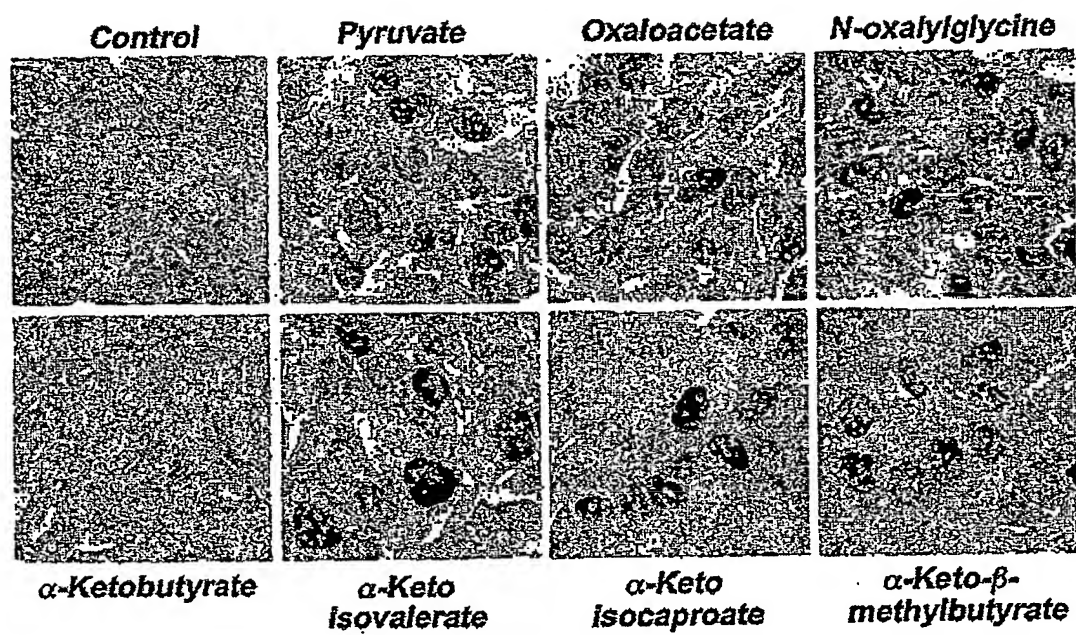


Figure 11

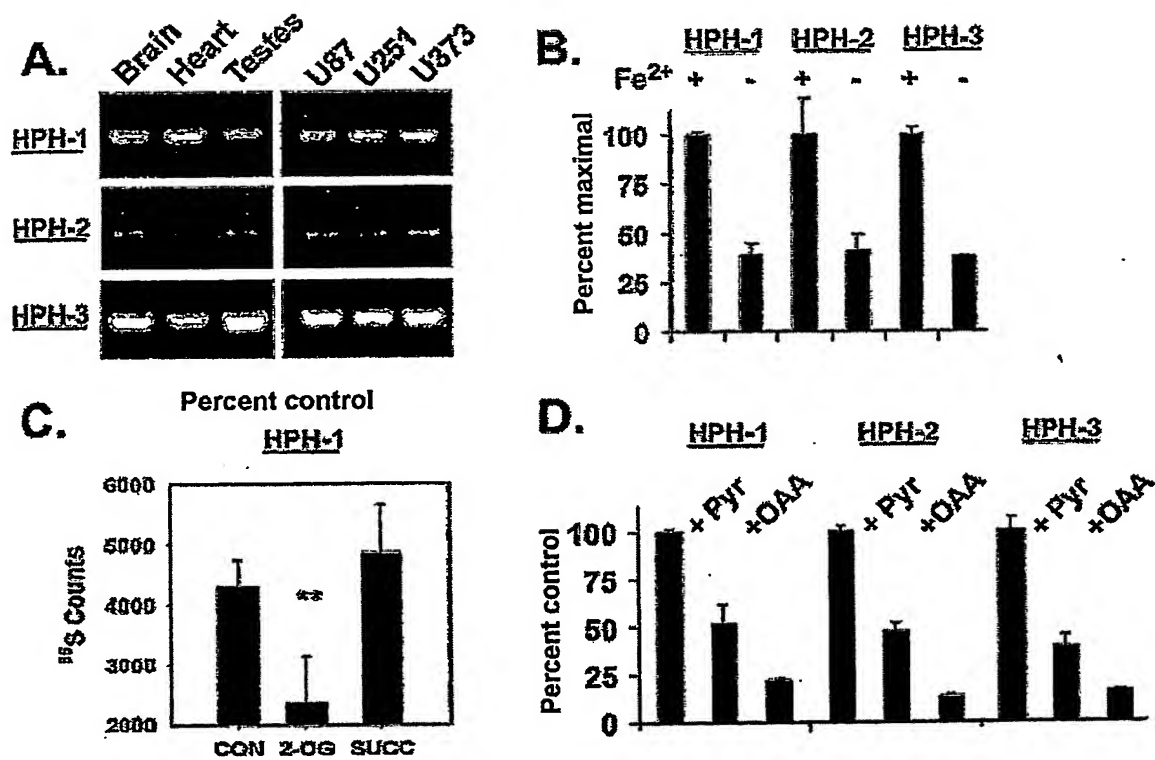


Figure 12

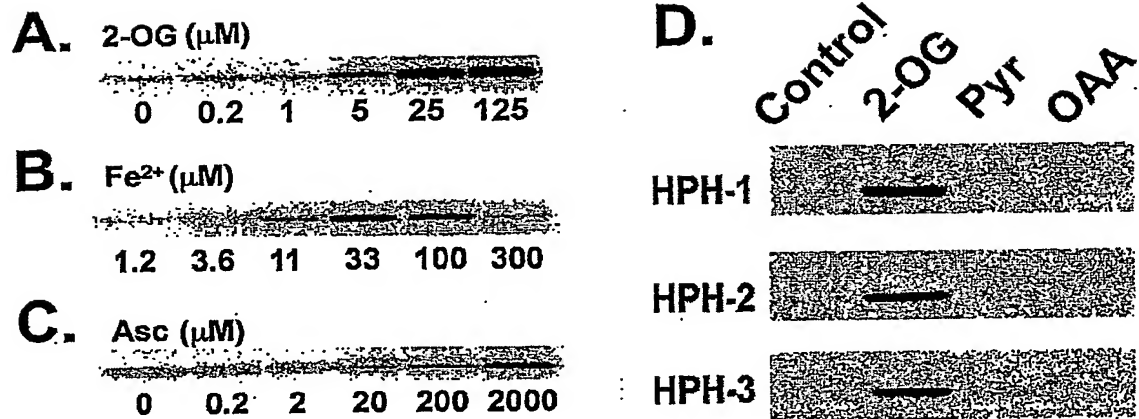


Figure 13

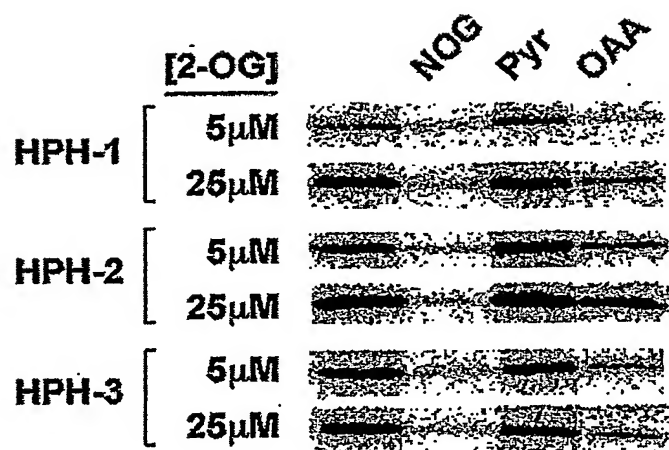


Figure 14

HPH-1												
					+ 1 mM OAA					+ 1 mM PYR		
Ascorbate	4	20	100	500	4	20	100	500	4	20	100	500
HPH-2												
					+ 1 mM OAA					+ 1 mM PYR		
Ascorbate	4	20	100	500	4	20	100	500	4	20	100	500
HPH-3												
					+ 1 mM OAA					+ 1 mM PYR		
Ascorbate	8	40	200	1000	8	40	200	1000	8	40	200	1000

Figure 15

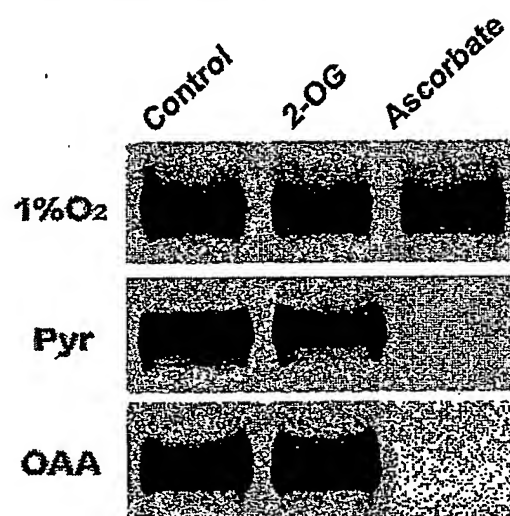
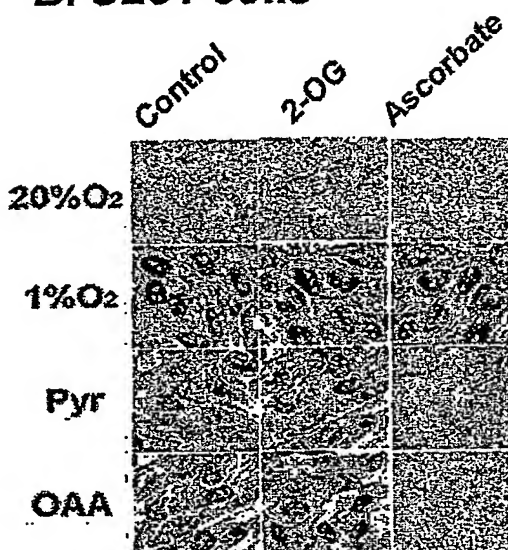
A. U87 cells**B. U251 cells**

Figure 16

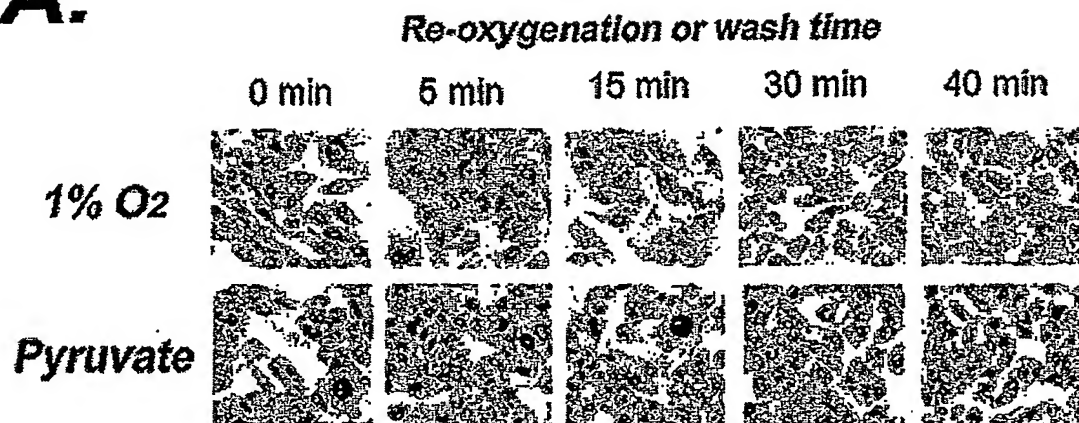
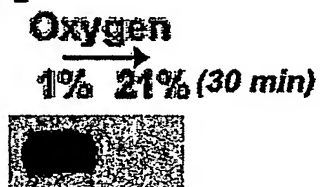
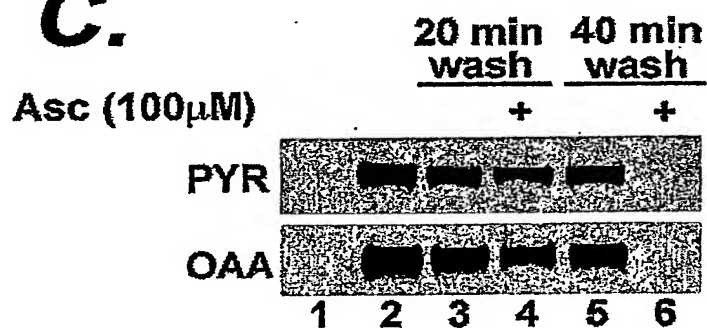
A.**B.****C.**

Figure 17

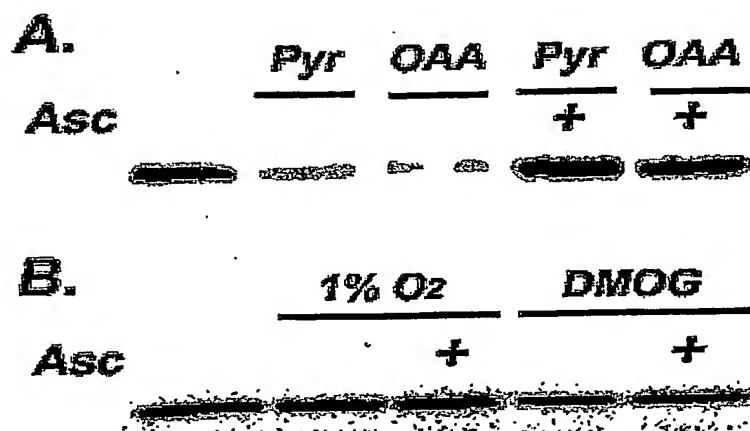


Figure 18

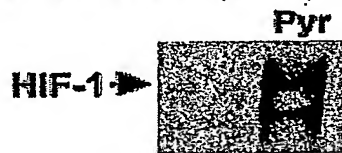
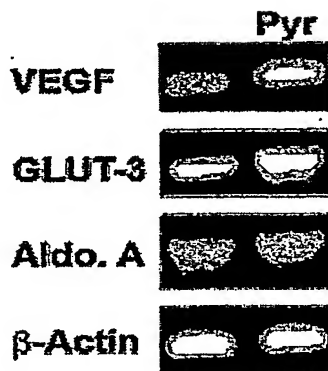
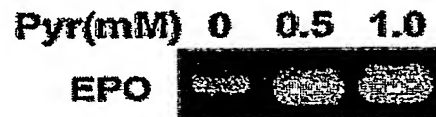
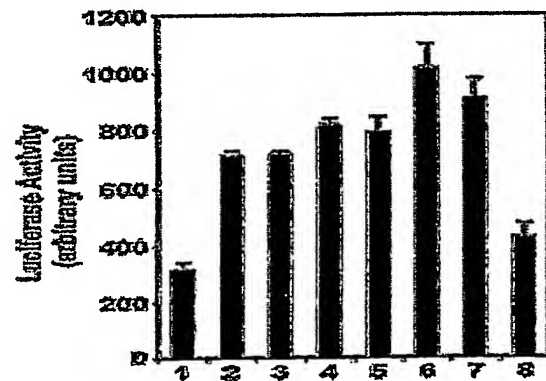
A. FIH-1 expression**B. HIF-1 Gelshift (U87)****C. RT-PCR (U87)****D. RT-PCR (Hep3B)****E. HRE-GFP Expression****F. HRE-Luciferase expression**

Figure 19

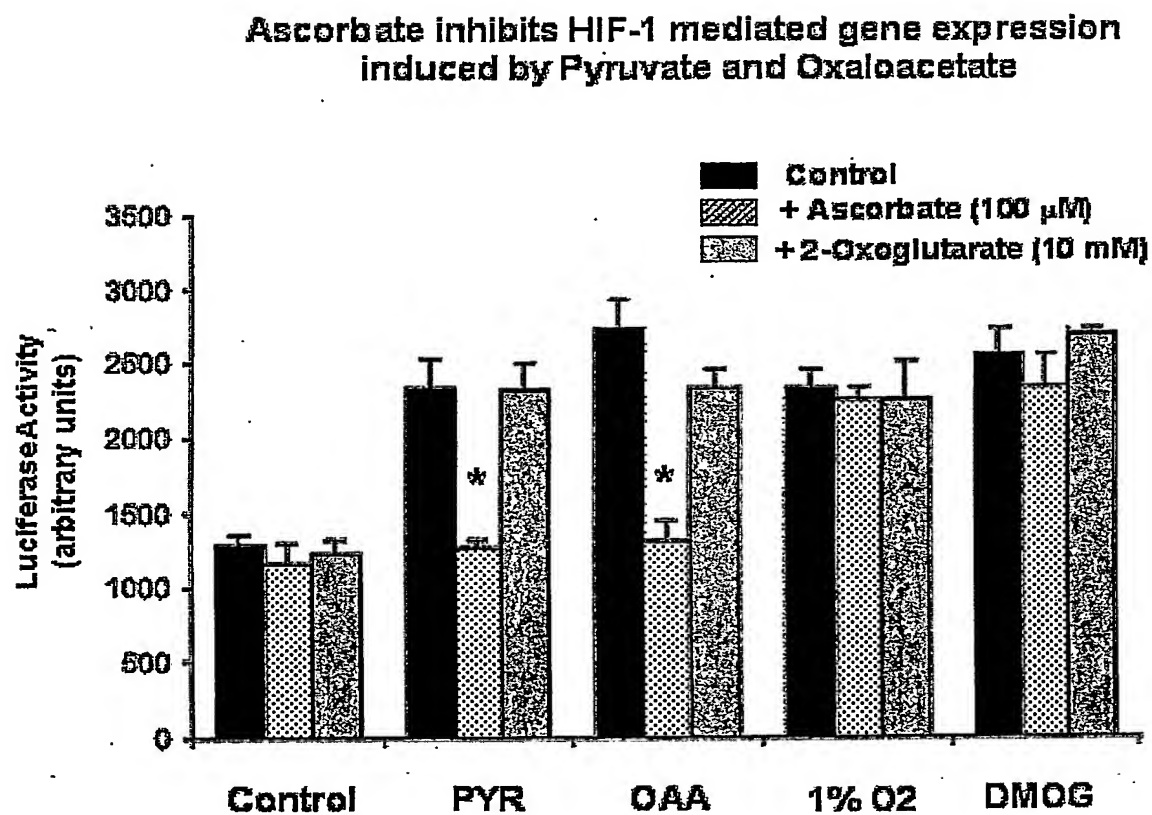


Figure 20

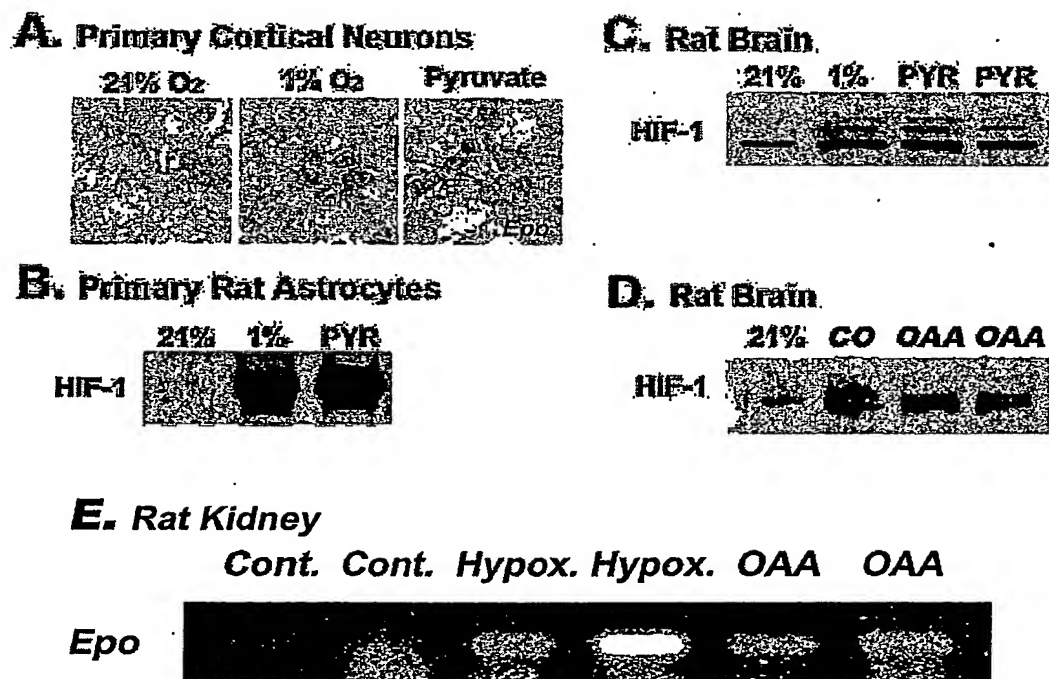
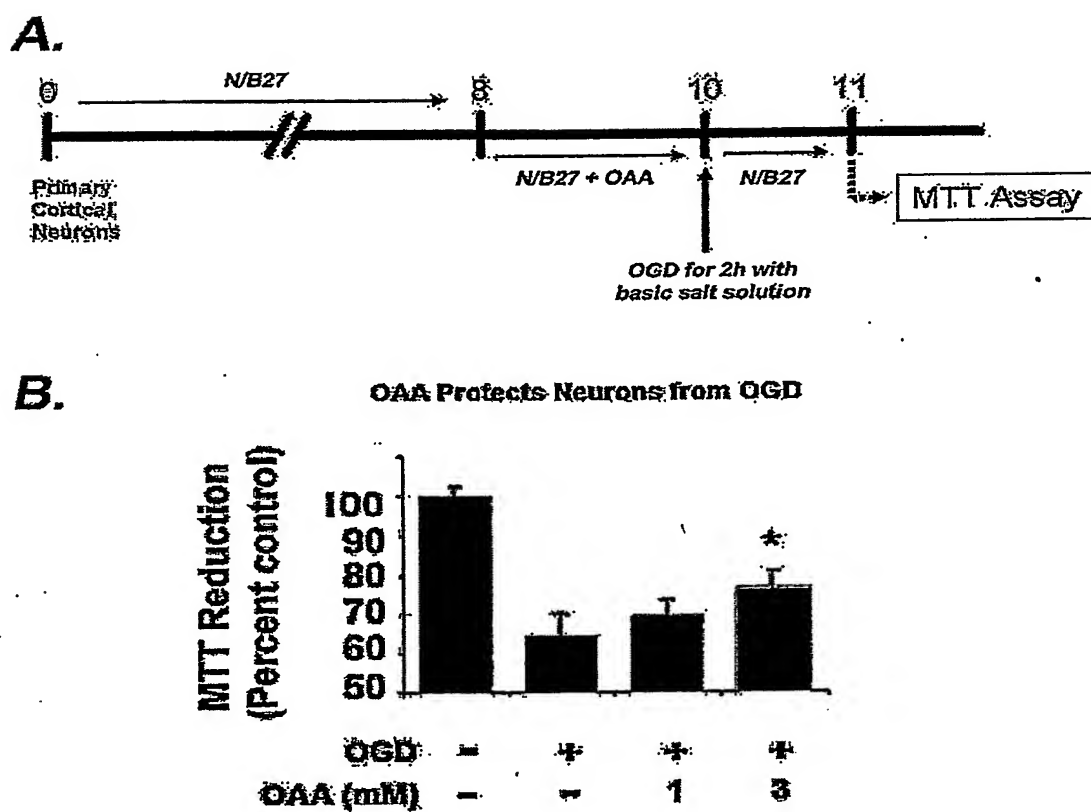


Figure 21



**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record.**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

☐ **BLACK BORDERS**

☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**

☐ **FADED TEXT OR DRAWING**

☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**

☐ **SKEWED/SLANTED IMAGES**

☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**

☐ **GRAY SCALE DOCUMENTS**

☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**

☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**

☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.